

## R&D – SDS Jr Software Engineer

**Location: France, Vélizy**

**Type of contract: Full-time permanent position**

**Department : R&D**

### Job Description

The candidate will join our R&D department in Velizy, near Paris, who manages a broad technology portfolio in wired and wireless communication protocols. As an engineer in the Software Defined Solutions program, you will help in creating a comprehensive solution for managed overlay VPNs, both on the CPE and controller side, working together with other teams in the different Ekinops sites.

### Job Content

You are an all-rounder that will be involved in

- Design and implementation of core components of the managed router VPN portfolio, based on detailed technical requirements, initially focused on IPSec.
- Evaluation of 3rd party and open source software packages and integrating them in the Ekinops ecosystem
- Designing and writing unit tests
- Provide documentation (for internal and external use)
- Peer code reviews

### Profile and skills

Motivated software engineer, you can demonstrate the following:

- Master's degree in computer science or electrical engineering
- Fluency in C, experience with Linux user space programming and debugging (gcc, gdb, valgrind,...), kernel experience is a plus.
- Knowledge about good security practices (not only when programming)
- Knowledge of version control concepts (git, mercurial, svn)
- Good grasp of Bash and python scripting
- Good understanding of basic IP networking (Ipv4/v6 addressing, static routing, basic firewalling, DHCP, troubleshooting with wireshark,...) and an interest in acquiring in-depth knowledge
- Basic linux admin skills (configuring networking, installing and configuring software packages)
- Basic experience with virtualization and containerization (virtualbox, KVM/QEMU,docker,...)

Of course you are also :

- Eager to learn, both through formal and informal training.
- A team player
- Open to other's ideas, but willing to defend your own opinion
- Happy to give and receive constructive criticism
- Fluent in French and English (oral and written)
- Able to work in a team that is geographically dispersed, with occasional travel.

Motivated software engineer, with system and network knowledge, you can demonstrate the following:

- Software development experience: C, Linux environment
- Knowledge of IP networks: basic knowledge in IP, deeper knowledge in security, protocols, IP stack, routing, ... is a plus.
- Knowledge of SDN or SD-WAN technologies is not necessarily expected but would be a plus.
- Operating systems: knowledge of Linux (administration, development)
- System performance tuning knowledge
- Open source minded, experience of some linux distributions
- Good written and verbal communication skills in both French and English
- Autonomous, rigorous, and delivery-oriented with a commitment to quality and a thorough approach to the work
- Proven ability to work well within a team
- Potential and willingness for personal development and improvement

In addition to interesting technical challenges, we also offer the opportunity to work in a stimulating environment, which provides room for personal initiative where you can grow both technically and personally. Attractive compensation package is just the final incentive.